

tion, Admiral Sir C. Ogle, Bart., and the members of the council. The royal standard was hoisted on the pavilion, and the splendid band of the Royal Marines, which was in attendance from Woolwich, played "God save the Queen." His Royal Highness having been attended by the officers of the institution to the place where the stone was to be laid, the council and head master were presented to him. The Lord Bishop of Rochester having offered up a prayer, the set of incorporation, a scroll attesting the act of laying the foundation with the coins usually employed on such occasions, were then enclosed in a vase, which was presented to His Royal Highness, and by him placed in an aperture in the stone, which had been duly prepared for the operation. The trowel and mortar were then given to his Royal Highness, who went through the usual forms of manipulation; and having applied the level and beryl, finished the ceremony by three blows with the mallet (made from a beam of Lord Nelson's ship, the Victory), and pronouncing the stone to be completely and properly laid, amidst the hearty cheering of the company.

Six scholars of the first class advanced, and Master William Drew, son of Lieutenant Drew, R.N., addressed the prince on behalf of the scholars, and expressed their gratitude for his kindness and condescension.

His Royal Highness then returned to his carriage attended as before by the Governor and Council, and departed amidst the same demonstrations of loyal attachment with which his approach had been welcomed.

The erection of the building is committed to Mr. Shaw, the well-known architect of Christ Church. It will present a handsome front of red brick and stone, in the style of which Sir Christopher Wren was so warm an admirer, in various specimens of which Mr. Shaw has already established his superiority. A portion of the fabric will be ready for occupation in August 1834; and besides the requisite rooms for masters, matrons, museum, library, &c., accommodation will be provided for 200 boys.

OUR CORRESPONDENCE.

WARMING AND VENTILATION.

TO THE EDITOR OF THE BUILDER.

SIR,—I perceive with pleasure that the subject of warming and ventilation is likely to be discussed in your pages, and do not doubt that your readers will be benefited by a thorough discussion of the merits of the various systems which have been proposed, to attain these desirable purposes.

Having paid some attention to the subject, and having like the rest a *favorite system*, I shall be glad to furnish a description of its principles and application at a proper time; however, as you have now a system before your readers, introduced by the author himself, namely, Mr. Bernhardt, I should propose that only one plan form the subject of the discussion at a time, and that when that is exhausted, another be introduced and examined in like manner; I think upon this plan, that much good might result, as these subjects are now allowed on all hands to be of first-rate importance to all; but certainly especially so to those to whose care the construction of our buildings is intrusted.

And may I presume to suggest, also, Sir, that the discussion be confined to warming and ventilation *alone*: let there be a desire to elicit *truth* and discard *error* from all sources, even from our own minds; and above all to refrain from finding fault with each other's logic or grammar; for these are not to be expected from the practical men from whom we are likely to elicit the most useful truths; if we gain facts from the sense of their meaning, what more do we want? It is not a subject easily exhausted, for it embraces a circle of sciences, very imperfectly understood, physiology, chemistry, pneumatics, hydrostatics, hydraulics, pyro-nomics (heat), mechanics, and so on; all these enter largely into the subject: so that if we have facts, we can do very well without logical or grammatical criticism or angry feelings. I hope these remarks will not be taken amiss, as I should much like to see *THE BUILDER* a vehicle for truths and facts only, connected with the glorious old art of construction, and its readers and correspondents a fraternity similar in unity of spirit to those united bonds of Freemasons described in the letter of Vindex, page 193. But to return to Mr. Bernhardt's system, which I hope that gentleman will see the necessity of laying before your readers (if he wishes it to be a public benefit), for the purpose of being discussed. I beg to state that, so far from being satisfied that it is either "a wholesome or an economical system of warming and ventilation," I will undertake to

prove from what Mr. Bernhardt has published that it cannot be either the one or the other, which I will do, if allowed, in your pages, unless Mr. Bernhardt shews by principles and scientific facts in your journal that I am mistaken.

The proposition to be considered appears to be this: What is the system by which the most wholesome and economical ventilation and warmth may be insured, in all situations and in all circumstances, for large buildings?

I hope Mr. B. will meet this with facts and principles, and not with great names; no one has a greater veneration for really great men than I have, but I do not think that one with the "memorable

report of 1836 before him," should ask me or any other mechanic to have faith in great authorities upon this subject.

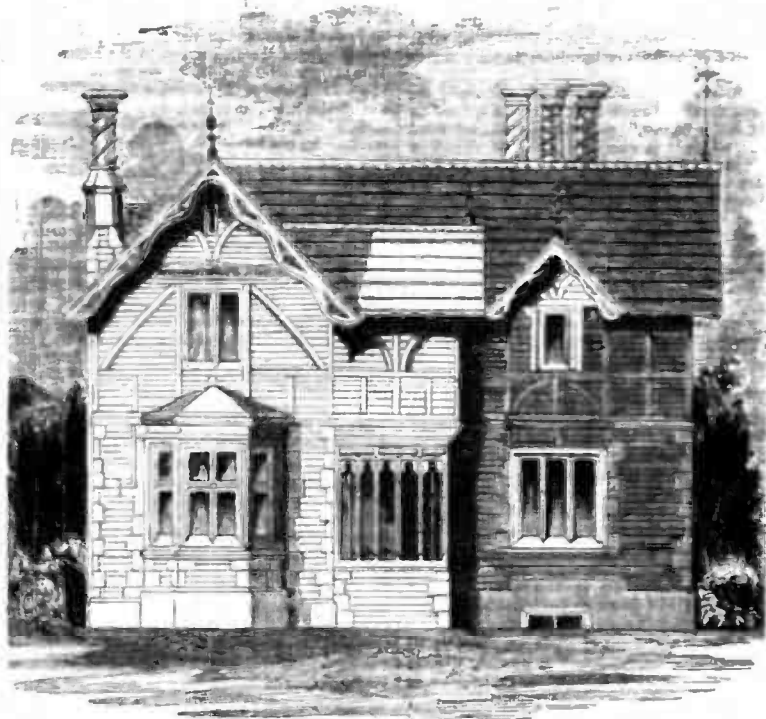
I think also that Mr. B.'s fear is ungrounded, "that the public will be deceived by men unacquainted with the laws of nature governing fire and air;" as it is those who do understand these laws, as far as they are known, who would feel interested. I hope therefore that he will comply with Mr. Hope's wishes, and shew that he does really possess this desirable science.

I am, Sir, very respectfully,

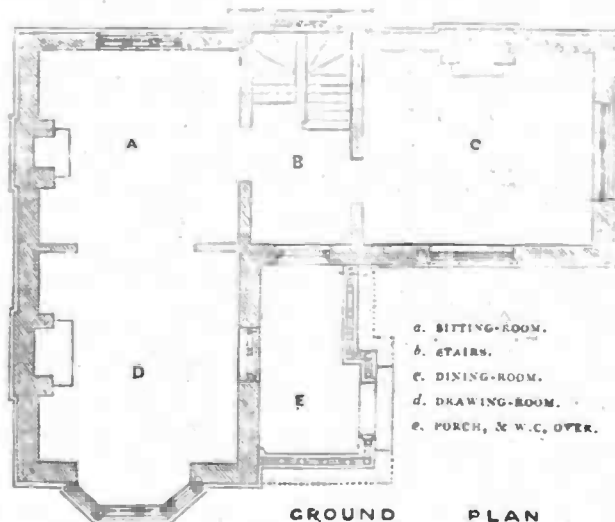
GEORGE SPENCER.

5, Hungerford-street, Strand.

WOODEN ARCHITECTURE.



ELEVATION.



GROUND PLAN

TO THE EDITOR OF THE BUILDER.

SIR,—As you were kind enough to insert my former design for "Wooden Architecture," I am induced to forward you another on a larger scale. You expressed a wish for the ground plan to a clear scale, to my former one, but I regret that through illness I was compelled to neglect complying with your request. I trust this will prove sufficient apology.

The present design is for a house or cottage, consisting of six rooms, with kitchen and cellarage on the basement floor, and water-closet (W.C.)

marked on the plan in dotted lines, on the one-pair floor.

The ground floor is to be faced with best stock, with stone quoins and dressings; the one-pair to have oak posts, quarters, cills, leads, &c., and filled in with stock, same as ground floor, or rough-cast. The roof covered with old red tiles, with tile ridge cut in pattern.

Should this be as much worthy a place in *THE BUILDER* as the other, I shall feel greatly obliged.

I remain, Sir, your sincere well-wisher.

A YOUNG ARCHITECT.